

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Posti Examiner: UNKNOWN  
Serial No.: TO BE ASSIGNED Group Art Unit: TO BE ASISGNE  
Filed: June 6, 2001 Docket No.: 930.330USW1  
Title: A DEVICE AND METHOD FOR REDUCING THE AMPLITUDE OF  
SIGNALS

CERTIFICATE UNDER 37 C.F.R. 1.10:

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The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: Lee Thao

Lee Thao

PRELIMINARY AMENDMENT

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please delete claims 1-19 as follows. Please enter new claims 20-38 as follows. A clean copy of the entire set of claims is included below.

20. (NEW) A receiver for receiving a plurality of different signals at the same time, said receiver comprising:

means for identifying at least one strongest signal of said plurality of different signals; and

a filter for attenuating said at least one strongest signal with respect to the other of said plurality of signals, said filter having an input to receive said plurality of different signals and an output providing said plurality of different signals with said at least one strongest signal being attenuated.

21. (NEW) A receiver as claimed in claim 20, wherein the plurality of different signals are at different frequencies.

22. (NEW) A receiver as claimed in claim 20, wherein said filter is a notch filter.

23. (NEW) A receiver as claimed in claim 20 , wherein an analogue to digital converter is coupled to the output of the filter, whereby the at least one strongest signal is in the dynamic range of said analogue to digital converter after being attenuated by said filter.

24. (NEW) A receiver as claimed in claim 20, wherein a downconverter unit is provided for down converting said signals and the identifying means comprises means for measuring the strength of the signals at the baseband.

25. (NEW) A receiver as claimed in claim 20, wherein an analogue to digital converter is provided, the digital output of the analogue to digital converter being coupled to the input of said identifying means and the identifying means comprises means for measuring the strength of the digital signals from the analogue to digital converter.
26. (NEW) A receiver as claimed in claim 20, wherein there is provided an input for receiving said signals, a splitter for dividing said signals, said splitter comprising a first output coupled to said identifying means and a second output coupled to a main signal path which includes said filter.
27. (NEW) A receiver as claimed in claim 26, wherein the splitter is arranged so that the signals on the first output are much weaker than the signals on the second output.
28. (NEW) A receiver as claimed in claim 26, wherein said splitter comprises a coupler.
29. (NEW) A receiver as claimed claim 20, wherein a downconverter unit is provided for down converting said received signals to an intermediate frequency range, said downconverter unit being arranged to receive a control signal from said identifying means for determining said intermediate frequency range, whereby said

intermediate frequency range is determined by said identifying means based on the frequency of the strongest signal.

30. (NEW) A receiver as claimed in claim 29, wherein a second downconverter unit is provided for downconverting the received signals to a predetermined second intermediate frequency range which is lower than said first intermediate frequency range, said identifying means being arranged to provide a control signal for controlling the second downconverter unit so that the output of said second downconverter unit falls within the predetermined range.

31. (NEW) A receiver as claimed in claim 29, wherein at least one of said first and second downconverter units comprises an oscillator which is arranged to provide a downconversion signal and the frequency of said downconversion signal is controlled by said identifying means.

32. (NEW) A receiver as claimed in claim 20, wherein the identifying means comprises a first part for separating said signals and a second part for identifying the at least one strongest signal.

33. (NEW) A receiver as claimed in claim 32, wherein said first part of said identifying means comprises a fast fourier transform unit for separating said signals.



filtering said at least one strongest signal with respect to the other of said plurality of signals by a filter having an input to receive said plurality of different signals and an output providing said plurality of different signals with said at least one strongest signal being attenuated with respect to the other of said plurality of signals.

**REMARKS**

The above preliminary amendment is made to insert an abstract page into the application and to enter new claims 20-38.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

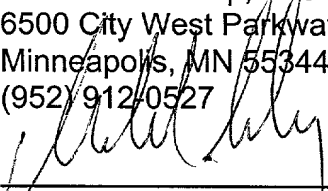
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952-912-0527.

Respectfully submitted,

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Date: June 6, 2001

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